

AMENDED IN ASSEMBLY APRIL 27, 2011

CALIFORNIA LEGISLATURE—2011–12 REGULAR SESSION

ASSEMBLY BILL

No. 306

Introduced by Assembly Member Gatto
(Coauthors: Assembly Members Blumenfeld, Gordon, and Williams)

February 9, 2011

An act to add and repeal Section 25325 of the Public Resources Code, relating to energy.

LEGISLATIVE COUNSEL'S DIGEST

AB 306, as amended, Gatto. Energy: piezoelectric transducers: study.

Existing law requires the State Energy Resources Conservation and Development Commission (*Energy Commission*), on a biennial basis beginning in 2003, to adopt an integrated energy policy report providing information on specified ~~matter~~ related to energy. Existing law creates the ~~Alternative and Renewable Fuel and Vehicle Technology~~ *Public Interest Research, Development, and Demonstration* Program, to be administered by the Energy Commission, and requires the Energy Commission to expend the moneys in the ~~Alternative and Renewable Fuel and Vehicle Technology~~ *Public Interest Research, Development, and Demonstration* Fund, upon appropriation by the Legislature, to implement that program.

This bill would require the Energy Commission to conduct research ~~on the feasibility of~~ generating electricity using piezoelectric transducers under ~~major roadways as a renewable resource, by collaborating with or railways.~~ *The bill would require the Energy Commission to collaborate with the Department of Transportation to establish a pilot project projects that would employ piezo-based piezoelectric-based energy harvesting technology, if the Energy Commission determines*

that doing so is appropriate. The bill would ~~allow~~ authorize the Energy Commission to expend the moneys in the ~~Alternative and Renewable Fuel and Vehicle Technology Public Interest Research, Development, and Demonstration Fund or the Energy Resources Program Account,~~ upon appropriation by the Legislature, to implement this research ~~as part of the Alternative and Renewable Fuel and Vehicle Technology Program.~~ The Energy Commission would be required to report its findings in the integrated energy policy report adopted in 2013. These provisions would be repealed on January 1, 2015.

Vote: majority. Appropriation: no. Fiscal committee: yes.
 State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. Section 25325 is added to the Public Resources
 2 Code, to read:
 3 25325. (a) The commission shall conduct research on ~~the~~
 4 ~~feasibility of generating electricity using piezoelectric transducers~~
 5 ~~under major roadways as a renewable resource pursuant to this~~
 6 ~~section: generating electricity using piezoelectric technology under~~
 7 ~~roadways and railways pursuant to this chapter or Chapter 7~~
 8 ~~(commencing with Section 25600).~~
 9 (b) For purposes of conducting the research required by this
 10 section, the commission shall collaborate with the Department of
 11 Transportation to establish a pilot project *or projects* that would
 12 employ ~~piezo-based energy harvesting technology on two 100~~
 13 ~~meter strips of road, one of which shall be located in northern~~
 14 ~~California and one in southern California. The commission shall~~
 15 ~~allow local public agencies that provide transportation or energy~~
 16 ~~services to submit bids for these pilot projects: piezoelectric-based~~
 17 *energy harvesting technology if the commission finds, based on*
 18 *initial research, that a pilot project is appropriate.*
 19 (c) The commission may expend the moneys in the ~~Alternative~~
 20 ~~and Renewable Fuel and Vehicle Technology Fund,~~ upon
 21 appropriation by the Legislature, to implement this section as part
 22 ~~of the Alternative and Renewable Fuel and Vehicle Technology~~
 23 ~~Program created pursuant to Section 44272 of the Health and Safety~~
 24 ~~Code: Public Interest Research, Development, and Demonstration~~
 25 ~~Fund established pursuant to Section 384 of the Public Utilities~~
 26 ~~Code or the Energy Resources Program Account established~~

1 *pursuant to Section 25801, upon appropriation by the Legislature,*
2 *to implement this section.*

3 (d) As a part of the integrated energy policy report that is
4 adopted in 2013, the commission shall report the findings of the
5 research performed pursuant to subdivision (a).

6 (e) This section shall remain in effect only until January 1, 2015,
7 and as of that date is repealed, unless a later enacted statute, that
8 is enacted before January 1, 2015, deletes or extends that date.

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